

BEST AVAILABLE COPY

SEQUENCE LISTING

<110> Burton, Louis E.
Schmelzer, Charles H.
Beck, Joanne T.

<120> PURIFICATION OF NGF

<130> GENENT.037C3

<140> 10/072,681

<141> 2002-02-08

<150> 60/030838

<151> 1996-11-15

<150> 60/047855

<151> 1997-05-29

<150> 08/970865

<151> 1997-11-14

<150> 09/363573

<151> 1999-07-29

<150> 09/675,503

<151> 2000-09-29

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 242

<212> PRT

<213> Homo sapien

<400> 1

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Pro Met Ser Met Leu Phe Tyr Thr Leu Ile Thr Ala Phe Leu Ile Gly
 1           5           10           15
Ile Gln Ala Glu Pro His Ser Glu Ser Asn Val Pro Ala Gly His Thr
      20           25           30
Ile Pro Gln Val His Trp Thr Lys Leu Gln His Ser Leu Asp Thr Ala
      35           40           45
Leu Arg Arg Ala Arg Ser Ala Pro Ala Ala Ala Ile Ala Ala Arg Val
      50           55           60
Ala Gly Gln Thr Arg Asn Ile Thr Val Asp Pro Arg Leu Phe Lys Lys
      65           70           75           80
Arg Arg Leu Arg Ser Pro Arg Val Leu Phe Ser Thr Gln Pro Pro Arg
      85           90           95
Glu Ala Ala Asp Thr Gln Asp Leu Asp Phe Glu Val Gly Gly Ala Ala
      100          105          110
Pro Phe Asn Arg Thr His Arg Ser Lys Arg Ser Ser Ser His Pro Ile
      115          120          125
Phe His Arg Gly Glu Phe Ser Val Cys Asp Ser Val Ser Val Trp Val

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<p>130 Gly Asp Lys Thr Thr Ala Thr Asp Ile Lys Gly Lys Glu Val Met Val 145 Leu Gly Glu Val Asn Ile Asn Asn Ser Val Phe Lys Gln Tyr Phe Phe 165 Glu Thr Lys Cys Arg Asp Pro Asn Pro Val Asp Ser Gly Cys Arg Gly 180 Ile Asp Ser Lys His Trp Asn Ser Tyr Cys Thr Thr Thr His Thr Phe 195 Val Lys Ala Leu Thr Met Asp Gly Lys Gln Ala Ala Trp Arg Phe Ile 210 Arg Ile Asp Thr Ala Cys Val Cys Val Leu Ser Arg Lys Ala Val Arg 225 Arg Ala</p>	<p>135 Asp Ile Lys Gly Lys Glu Val Met Val 150 Asn Asn Ser Val Phe Lys Gln Tyr Phe Phe 170 Asn Pro Val Asp Ser Gly Cys Arg Gly 185 Ser Tyr Cys Thr Thr Thr His Thr Phe 200 Asp Gly Lys Gln Ala Ala Trp Arg Phe Ile 215 Val Cys Val Leu Ser Arg Lys Ala Val Arg 230 Cys Val Leu Ser Arg Lys Ala Val Arg 235</p>	<p>140 Gly Lys Glu Val Met Val 155 Phe Lys Gln Tyr Phe Phe 175 Asp Ser Gly Cys Arg Gly 190 Thr Thr Thr His Thr Phe 205 Ala Trp Arg Phe Ile 220 Ser Arg Lys Ala Val Arg 240</p>
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<210> 2
<211> 121
<212> PRT
<213> Homo sapien

<400> 2

<p>Pro Ser Ser Ser His Pro Ile Phe His Arg Gly Glu Phe Ser Val Cys 1 Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile 20 Lys Gly Lys Glu Val Met Val Leu Gly Glu Val Asn Ile Asn Asn Ser 35 Val Phe Arg Gln Tyr Phe Phe Glu Thr Lys Cys Arg Asp Pro Asn Pro 50 Val Asp Ser Gly Cys Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr 65 Cys Thr Thr Thr His Thr Phe Val Lys Ala Leu Thr Met Asp Gly Lys 85 Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val 100 Leu Ser Arg Lys Ala Val Arg Arg Ala 115</p>	<p>5 Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile 25 Val Leu Gly Glu Val Asn Ile Asn Asn Ser 40 Phe Glu Thr Lys Cys Arg Asp Pro Asn Pro 55 Gly Ile Asp Ser Lys His Trp Asn Ser Tyr 70 Phe Val Lys Ala Leu Thr Met Asp Gly Lys 90 Ile Asp Thr Ala Cys Val Cys Val 105 Arg Arg Ala 120</p>	<p>10 Glu Phe Ser Val Cys 15 Thr Thr Ala Thr Asp Ile 30 Asn Ile Asn Asn Ser 45 Arg Asp Pro Asn Pro 60 His Trp Asn Ser Tyr 75 Met Asp Gly Lys 95 Val Cys Val 110</p>
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<210> 3
<211> 121
<212> PRT
<213> mouse

<400> 3

<p>Pro Ser Ser Thr His Pro Val Phe His Met Gly Glu Phe Ser Val Cys 1 Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile 20 Lys Gly Lys Glu Val Thr Val Leu Ala Glu Val Asn Ile Asn Asn Ser 35 Val Phe Arg Gln Tyr Phe Phe Glu Thr Lys Cys Arg Ala Ser Asn Pro 50 Val Glu Ser Gly Cys Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr 65</p>	<p>5 Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile 25 Val Leu Ala Glu Val Asn Ile Asn Asn Ser 40 Phe Glu Thr Lys Cys Arg Ala Ser Asn Pro 55 Gly Ile Asp Ser Lys His Trp Asn Ser Tyr 70 Arg Arg Ala 75</p>	<p>10 Glu Phe Ser Val Cys 15 Thr Thr Ala Thr Asp Ile 30 Asn Ile Asn Asn Ser 45 Arg Asp Pro Asn Pro 60 His Trp Asn Ser Tyr 80</p>
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Cys Thr Thr Thr His Thr Phe Val Lys Ala Leu Thr Thr Asp Glu Lys
 85 90 95
 Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val
 100 105 110
 Leu Ser Arg Lys Ala Thr Arg Arg Gly
 115 120

<210> 4
 <211> 119
 <212> PRT
 <213> Homo sapien

<400> 4
 Pro His Ser Asp Pro Ala Arg Arg Gly Glu Leu Ser Val Cys Asp Ser
 1 5 10 15
 Ile Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met
 20 25 30
 Ser Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly
 35 40 45
 Gln Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr
 50 55 60
 Thr Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln
 65 70 75 80
 Cys Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys
 85 90 95
 Lys Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Thr
 100 105 110
 Leu Thr Ile Lys Arg Gly Arg
 115

<210> 5
 <211> 120
 <212> PRT
 <213> Homo sapien

<400> 5
 Pro Tyr Ala Glu His Lys Ser His Arg Gly Glu Tyr Ser Val Cys Asp
 1 5 10 15
 Ser Glu Ser Leu Trp Val Thr Asp Lys Ser Ser Ala Ile Asp Ile Arg
 20 25 30
 Gly His Gln Val Thr Val Leu Gly Glu Ile Lys Thr Gly Asn Ser Pro
 35 40 45
 Val Lys Gln Tyr Phe Tyr Glu Thr Arg Cys Lys Glu Ala Arg Pro Val
 50 55 60
 Lys Asn Gly Cys Arg Gly Ile Asp Asp Lys His Trp Asn Ser Gln Cys
 65 70 75 80
 Lys Thr Ser Gln Thr Tyr Val Arg Ala Leu Thr Ser Glu Asn Asn Lys
 85 90 95
 Leu Val Gly Trp Arg Trp Ile Arg Ile Asp Thr Ser Cys Val Ser Ala
 100 105 110
 Leu Ser Arg Lys Ile Gly Arg Thr
 115 120

<210> 6

BEST AVAILABLE COPY

<211> 130
 <212> PRT
 <213> Homo sapien

<400> 6

Gly	Val	Ser	Glu	Thr	Ala	Pro	Ala	Ser	Arg	Arg	Gly	Glu	Leu	Ala	Val
1				5					10				15		
Cys	Asp	Ala	Val	Ser	Gly	Trp	Val	Thr	Asp	Arg	Arg	Thr	Ala	Val	Asp
		20						25					30		
Leu	Arg	Gly	Arg	Glu	Val	Glu	Val	Leu	Gly	Glu	Val	Pro	Ala	Ala	Gly
		35					40					45			
Gly	Ser	Pro	Leu	Arg	Gln	Tyr	Phe	Phe	Glu	Thr	Arg	Cys	Lys	Ala	Asp
	50				55					60					
Asn	Ala	Glu	Glu	Gly	Gly	Pro	Gly	Ala	Gly	Gly	Gly	Gly	Cys	Arg	Gly
65					70					75					80
Val	Asp	Arg	Arg	His	Trp	Val	Ser	Glu	Cys	Lys	Ala	Lys	Gln	Ser	Tyr
				85					90					95	
Val	Arg	Ala	Leu	Thr	Ala	His	Ala	Gln	Gly	Arg	Val	Gly	Trp	Arg	Trp
		100						105					110		
Ile	Arg	Ile	Asp	Thr	Ala	Cys	Val	Cys	Thr	Leu	Leu	Ser	Arg	Thr	Gly
		115					120					125			
Arg	Ala														
	130														